

quite hollow, without any thing at all in them; whereas when I cut them afunder with a sharp Pen-knife when green, I found in the middle of this great Case, another smaller round Case, between which two, the *interstices* were fill'd with multitudes of stringie *fibres*, which seem'd to suspend the lesser Case in the middle of the other, which (as farr as I was able to discern) seem'd full of exceeding small white seeds, much like the seed-bagg in the knop of a Carnation, after the flowers have been two or three days, or a week, fallen off; but this I could not so perfectly discern, and therefore cannot positively affirm it.

After the seed was fallen away, I found both the Case, Stalk, and Plant, all grow red and wither, and from other parts of the root continually to spring new branches or slips, which by degrees increas'd, and grew as bigg as the former, seeded, ripen'd, shatter'd, and wither'd.

I could not find that it observ'd any particular seasons for these several kinds of growth, but rather found it to be springing, mature, ripe, seedy, and wither'd at all times of the year; But I found it most to flourish and increas'd in warm and moist weather.

It gathers its nourishments, for the most part, out of some *Lapidescent*, or other substance corrupted or chang'd from its former texture, or substantial form; for I have found it to grow on the rotten parts of Stone, of Bricks, of Wood, of Bones, of Leather, &c.

It oft grows on the barks of several Trees, spreading it self, sometimes from the ground upwards, and sometimes from some chink or cleft of the bark of the Tree, which has some *putrify'd* substance in it; but this seems of a distinct kind from that which I observ'd to grow on *putrify'd* inanimate bodies, and rotten earth.

There are also great varieties of other kinds of Mosses, which grow on Trees, and several other Plants, of which I shall here make no mention, nor of the Moss growing on the skull of a dead man, which much resembles that of Trees.

Whether this Plant does sometimes originally spring or rise out of corruption, without any disseminated seed, I have not yet made trials enough to be very much, either positive or negative; for as it seems very hard to conceive how the seed should be generally dispers'd into all parts where there is a corruption; begun, unless we may rationally suppose, that this seed being so exceeding small, and consequently exceeding light, is thereby taken up, and carried to and fro in the Air into every place, and by the falling drops of rain is wash'd down out of it, and so dispers'd into all places, and there onely takes root and propagates, where it finds a convenient soil or matrix for it to thrive in; so if we will have it to proceed from corruption, it is not less difficult to conceive,

First, how the corruption of any Vegetable, much less of any Stone or Brick, should be the Parent of so curiously figur'd, and so perfect a Plant as this is. But here indeed, I cannot but add, that it seems rather to be a product of the Rain in those bodies where it is stay'd, then of the very bodies themselves, since I have found it growing on Marble, and Flint; but always the *Microscope*, if not the naked eye, would discover some little hole of Dirt in which it was rooted.

Next,

Next, how the corruption of each of those exceeding should all conspire to the production of the same Plant. Bricks, Wood, or vegetable substances, and Bones, animate substances, unless we may with some plaufibility and Water are the coadjutors, or *menstruums*, in all kinds, and that thereby the bodies (though whilst they retain their forms, were of exceeding differing natures, yet) finally and mixt into another, they may be very *Homogeneous*, resolv'd again into Air, Water, and Earth; retaining, their vegetative faculty yet entire, which meeting with assistants, such as the heat of the Air, and the fluidity of such like coadjutors and conveniences, acquires a certain time, wholly differing perhaps from that kind of corruption before.

To explain my meaning a little better by a gross Similitude. Suppose a curious piece of Clock-work, that had many and contrivances in it, which, when in order, would perform their design'd methods and Periods. We will further suppose, that this Clock comes to be broken, brused, disorder'd, so that several parts of it being dislocated, and stand still, and not onely hinder its own progressive motion, but the effect which they were design'd for, but because they also have a dependence upon them, put a stop to the motion, and so the whole Instrument becomes unserviceable, and of no use. This Instrument afterwards, by some shaking or throwing up and down, comes to have several of its parts set to work, several of its curious motions, and contrivances, and set afunder; here a Pin falls out, and there a Pillar, and there a Hammer, and a Spring, and the like, and as they fall those parts also which were brused and disorder'd while impeded the motion of all the rest; hereupon several motions that yet remain, whose springs were not quite now at liberty, begin each of them to move, thus or otherwise, another method then before, there being many regular motions like, fallen away and lost. Upon this, the Owner, who observes some of these effects, being ignorant of the Art, wonders what is betid his Clock, and presumes some Artist has been at work, and has set his Clock in a new kind of Instrument of it, but upon examining circumspectly there was no such matter, but that the casual slipping made several parts of his Clock fall to pieces, and that the obstacle that all this while hindred his Clock, together with several parts were fallen out, and so his Clock was set at liberty, winding up those springs again when run down, he finds it quite after another manner then it was wont here.

And thus may it be perhaps in the business of Mosses, Mushrooms, and several other spontaneous kinds of vegetation.